

PROJECT DESCRIPTION

**GENERAL**  
THIS PROJECT INVOLVES THE INSTALLATION OF A RIGHT TURN OVERLAP FOR NORTHBOUND MD 166 (ROLLING ROAD) ONTO EASTBOUND MD 372 (WILKENS AVENUE) IN BALTIMORE COUNTY. MD 166 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

**INTERSECTION OPERATION**  
THE INTERSECTION WILL CONTINUE TO OPERATE IN A NEMA SIX PHASE, FULL TRAFFIC ACTUATED MODE. A PROPOSED RIGHT TURN OVERLAP WILL BE INSTALLED FOR NORTHBOUND MD 166.

**CONTROLLER REQUIREMENTS**  
THE EXISTING BASE MOUNTED CABINET, CONTROLLER AND ASSOCIATED EQUIPMENT SHALL REMAIN.

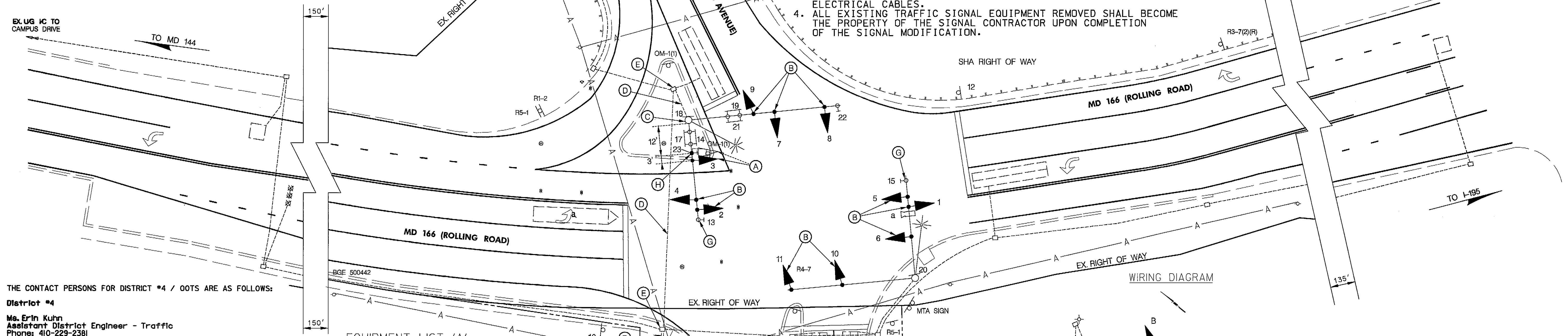
CONSTRUCTION DETAILS

- REMOVE EXISTING SIGNAL HEAD AND INSTALL NEW LED VEHICULAR TRAFFIC SIGNAL HEAD AS SHOWN.
- INSTALL LED SIGNAL HEAD MODULES IN EXISTING SIGNAL HEAD.
- USE EXISTING SIGNAL POLE.
- USE EXISTING CONDUIT.
- USE EXISTING HANDHOLE.
- USE EXISTING BASE MOUNTED CABINET.
- REMOVE EXISTING OVERHEAD SIGN.
- INSTALL PROPOSED OVERHEAD SIGN.

GENERAL NOTES

- MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MSHA STANDARD TYPICALS FOR TRAFFIC CONTROL.
- THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING AND PROPERLY LABELING ALL SIGNAL CABLES.
- THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL ABANDONED ELECTRICAL CABLES.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.

NOTE:  
PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.  
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.



THE CONTACT PERSONS FOR DISTRICT #4 / OOTS ARE AS FOLLOWS:

**District #4**

Ms. Erin Kuhn  
Assistant District Engineer - Traffic  
Phone: 410-229-2381

Mr. Michael Pasquariello  
District Utility Engineer  
Phone: 410-229-2341

Mr. Andre Futrell  
Assistant District Engineer - Maintenance  
Phone: 410-229-2361

Mr. Donald Schaefer  
Assistant District Engineer - Construction  
Phone: 410-229-2421

Office Of Traffic & Safety

Mr. Richard L. Daff Sr.  
Chief, Traffic Operations Division  
Phone: 410-787-7630

Mr. Robert Snyder  
Assistant Division Chief, Traffic Operations  
410-787-7630

Mr. Edward Rodenhizer  
Team Leader Signal Operations  
Phone: 410-787-7650

Mr. Eugene Bailey  
Team Leader Sign Operations  
410-787-7670

The Power Company Representative is:  
Baltimore Gas & Electric Company  
7317 Parkway Drive South  
Hanover, MD 21076  
Phone: 410-859-9062

EQUIPMENT LIST 'A'

ITEM NO.	QUANTITY	DESCRIPTION
9571	8 SF	UPDATED SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGN: 1 EA - R3-5(R) (30 IN. X 36 IN.) MANDATORY MOVEMENT LANE CONTROL - RIGHT*

EQUIPMENT LIST 'B'

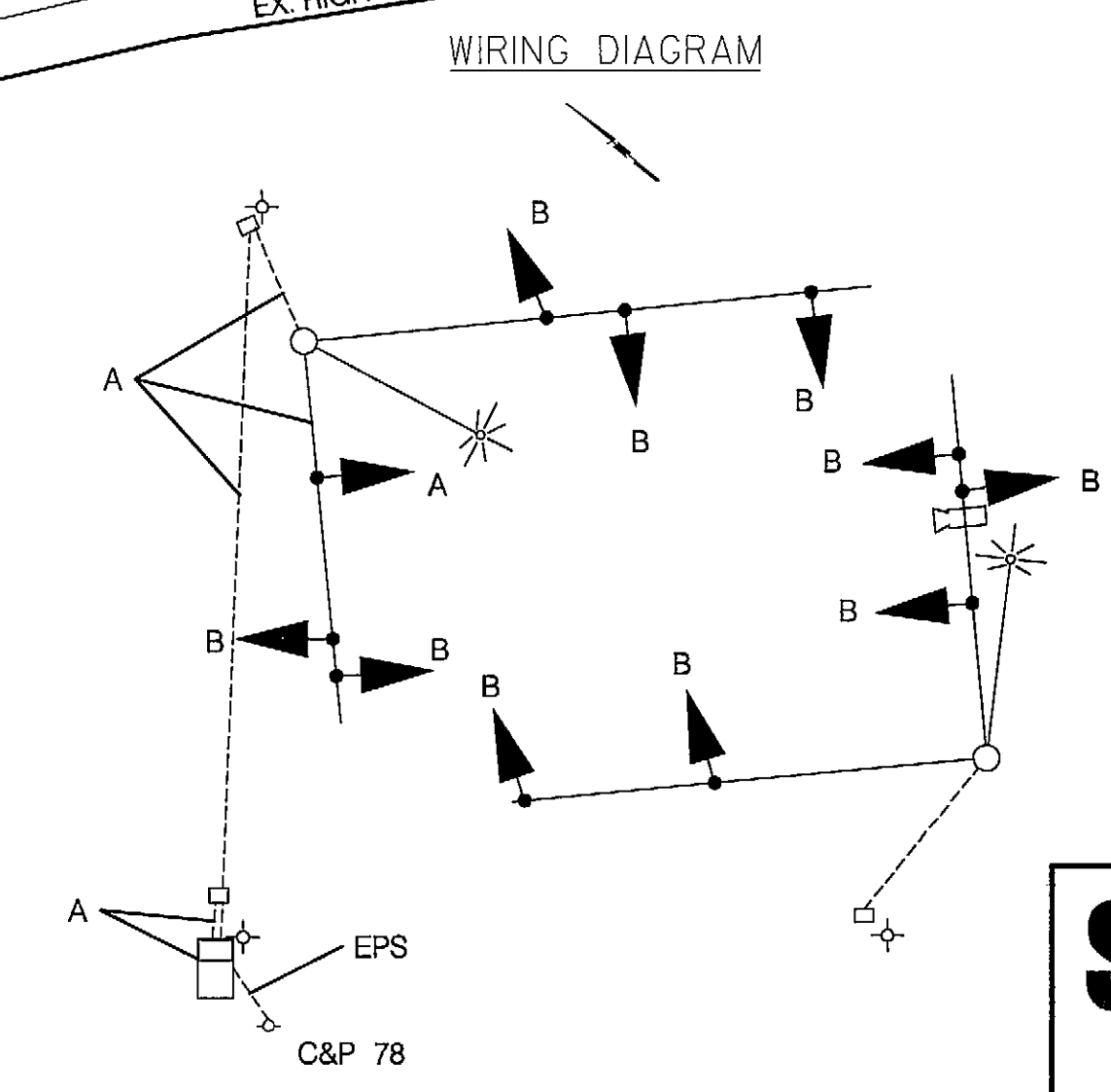
ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
8001	5 EA	12 INCH (R, Y, G) LED SIGNAL HEAD SECTION
8015	4 EA	LED SIGNAL HEAD MODULES (ANY SIZE)
8017	1 EA	REMOVE & DISPOSE OF EQUIPMENT PER ASSIGNMENT
8047	8 SF	INSTALL OVERHEAD SIGN
8059	180 LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)

EQUIPMENT LIST 'C'

ITEM NO.	QUANTITY	DESCRIPTION
		MAINTENANCE OF TRAFFIC PER ASSIGNMENT
		12 INCH (R, Y, G) LED SIGNAL HEAD SECTION
		LED SIGNAL HEAD MODULES (ANY SIZE)
		REMOVE & DISPOSE OF EQUIPMENT PER ASSIGNMENT
		INSTALL OVERHEAD SIGN
		ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	
PHASE 1 AND 5	+GR	+GR	R	+GR	+GR	R	R	R	R	R	R	
PHASE 1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6												
PHASE 1 AND 6	+GG	+GG	G	R	R	R	R	R	R	R	R	
PHASE 1 CHANGE	+YG	+YG	G	R	R	R	R	R	R	R	R	
PHASE 2 AND 5	R	R	R	+GG	+GG	G	R	R	R	R	R	
PHASE 5 CHANGE	R	R	R	+YG	+YG	G	R	R	R	R	R	
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	R	R	
PHASE 2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	
PHASE 3	R	R	R	R	R	R	+GG	G	R	R	R	
PHASE 3 CHNAGE	R	R	R	R	R	R	Y	Y	R	R	R	
PHASE 4	R	R	R	R	R	R	R	+GG	+GG	G	G	
PHASE 4 CHANGE	R	R	R	R	R	R	R	Y	Y	Y	Y	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	



- A - ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
- B - USE EXISTING CABLE
- EPS - EXISTING POWER SERVICE
- EXISTING GROUND ROD - 3/4 IN. DIAMETER X 10 FOOT LENGTH

**STV**  
STV Incorporated  
7125 Ambassador Road, Suite 200  
Baltimore, MD 21244  
www.stvinc.com

**SHA** STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION  
MD 166 (ROLLING ROAD) AT MD 372 (WILKENS AVENUE)  
CATONSVILLE, MARYLAND

**SIGNALIZATION PLAN SHEET**

SCALE 1"=20' ADVERTISED DATE 2/1987 CONTRACT NO. B-853-501-485

DESIGNED BY COUNTY BALTIMORE  
DRAWN BY D.DISTANCE LOGMILE 03016600.95  
CHECKED BY S.RENZI TMS NO. J991  
F.A.P. NO. TOD NO.

TS NO. 2258-E DRAWING SG-01 OF 01 SHEET NO. 01 OF 01